

California Department of Transportation

Storm Water Management Program

Regional Work Plan 2005/2006



District 12

Regional Water Quality Control Board

Santa Ana, Region 8

CTSW-RT-05-132-16.1

April 1, 2005

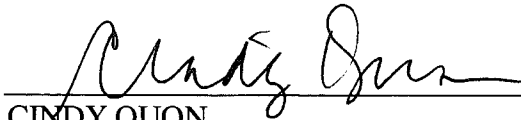


**CERTIFICATION
REGIONAL WORK PLAN
California Regional Water Quality Control Board
Santa Ana Region 8
Fiscal Year 2005/2006
April 1, 2005**

California Department of Transportation District 12

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

JB



CINDY QUON
District Director

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1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) is to describe how the Districts will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on District 12 facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of District 12 fall within the jurisdiction of the Santa Ana RWQCB (coverage area). Organization charts for District 12 are included in Figure 2-1. Staff responsible for implementing the SWMP within the Santa Ana RWQCB jurisdiction are listed in Table 2-1.

TABLE 2-1: DISTRICT 12 STORM WATER PERSONNEL AND RESPONSIBILITIES

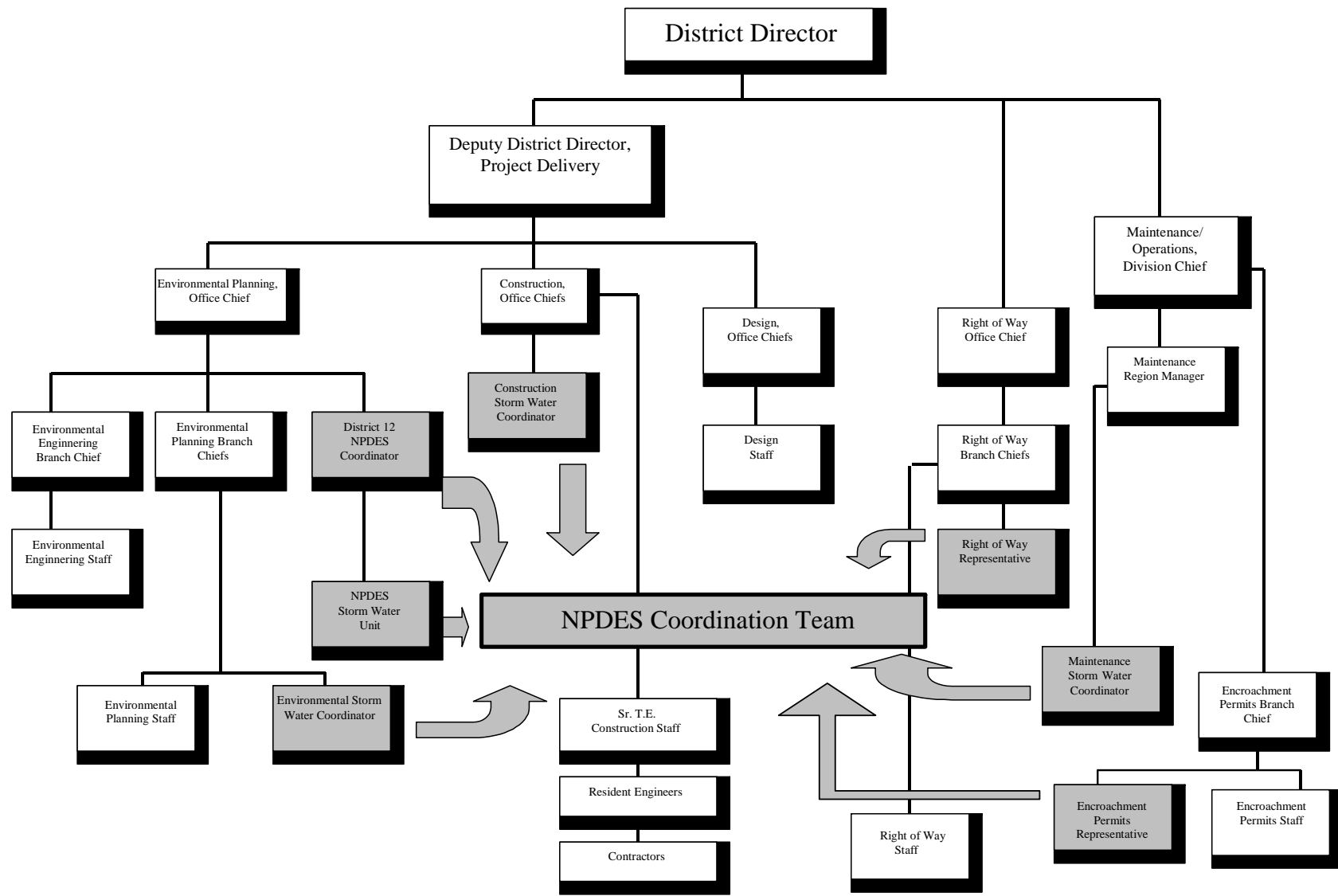
Staff	Title	Phone Number	E-Mail Address	Responsibilities
Grace Piña-Garrett	District NPDES/ Storm Water Coordinator	(949) 724-2189	Grace_pina-garrett@dot.ca.gov	Primary contact for all District NPDES/storm water issues. Oversees the District NPDES/ Storm Water Unit and coordinates with the other NPDES/ Storm Water functional units within the District.
Hector Salas	Environmental Specialist	(949) 724-2625	Hector_Salas@dot.ca.gov	Under the Direction of the District NPDES/ Storm Water Coordinator, the Environmental Specialist ensures NPDES Permit compliance from all functional units. Contacts and submits all information to RWQCB.
Mahmoud Ghafouri	Construction Storm Water Coordinator	(949) 724-2180	Mahmoud_Ghafouri@dot.ca.gov	Review and Approve SWPPP/ WPCP Documents. Liaison between field Construction and District NPDES/ Storm Water Coordinator.
Carol Lonebear	Maintenance Storm Water Coordinator	(949) 440-4466	Carol_Lonebear@dot.ca.gov	Liaison between Maintenance field crews and District NPDES/ Storm Water Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.
Ryan Hansen	Environmental Planning Storm Water Coordinator	(949) 724-2014	Ryan_Hansen@dot.ca.gov	Environmental Liaison to the District NPDES/ Storm Water Coordinator. Reviews projects in the planning and environmental document phase and prepares Technical Water Quality Documents for Caltrans projects.
John Jalali	Encroachment Permits Storm Water Coordinator	(949) 724-2266	John_Jalali@dot.ca.gov	Permits Liaison to the District NPDES/ Storm Water Coordinator. Reviews SWPPPs/WPCPs and conducts routine project inspections for Encroachment Permits.
Daniel Hing	Right of Way Representative	(949) 724-2145	Daniel_Hing@dot.ca.gov	Conducts Airspace Lease Inspections for Water Quality.

In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions	Documents Authorized for Signature
District Director	All
Design Branch Chiefs	Notification of Construction (NOC)
Resident Engineers	Notice of Completion of Construction (NCC), SWPPP Approval
District NPDES/ Storm Water Coordinator	All District storm water related documents except Annual Report Certification
Maintenance SWC	Facility Pollution Prevention Plan (FPPP)

FIGURE 2-1: ORGANIZATIONAL CHART



3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies the Department facilities and water bodies within District 12 and the Santa Ana RWQCB jurisdiction. A list of facilities, excluding roadways, is presented in Table 3-1. A map showing the District 12 boundaries within the RWQCB and major roads and highways is presented in Figure 3-1.

TABLE 3-1: DISTRICT 12 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
Orange	5	23.9	Sand Canyon	Landscape Maintenance
Orange	22	13.0	Orange	Highway Maintenance
Orange	22	R.0.7	Bolsa Chica	Landscape Maintenance
Orange	39	10.7	Stanton	Highway Maintenance
Orange	55	26.5	Costa Mesa	Landscape Maintenance
Orange	57	13.5	Batavia	Highway Maintenance
Orange	57	21.4	Brea	Highway Maintenance
Orange	57	21.4	Brea	Landscape Maintenance
Commercial Vehicle Enforcement Facilities				
Orange	91	13.8	Peralta	Westbound
Orange	91	13.6R	Peralta	Eastbound
Park and Ride Facilities				
Orange	5	25.0	Jeffery	I-5 at Jeffery Road, Irvine
Orange	55	16.7	Lincoln	SW Corner of SR-55
Toll Road and Bridge Plazas				
Orange	73	18.7	Catalina	Toll Plaza
Orange	91	16.4	Gypsum Canyon	Toll Plaza
Orange	133	13.2	Orange Grove	Toll Plaza
Orange	241	36.0	Windy Ridge	Toll Plaza
Orange	241	25.9	Tomato Springs	Toll Plaza
Orange	261	2.7	Portola Parkway	Toll Plaza

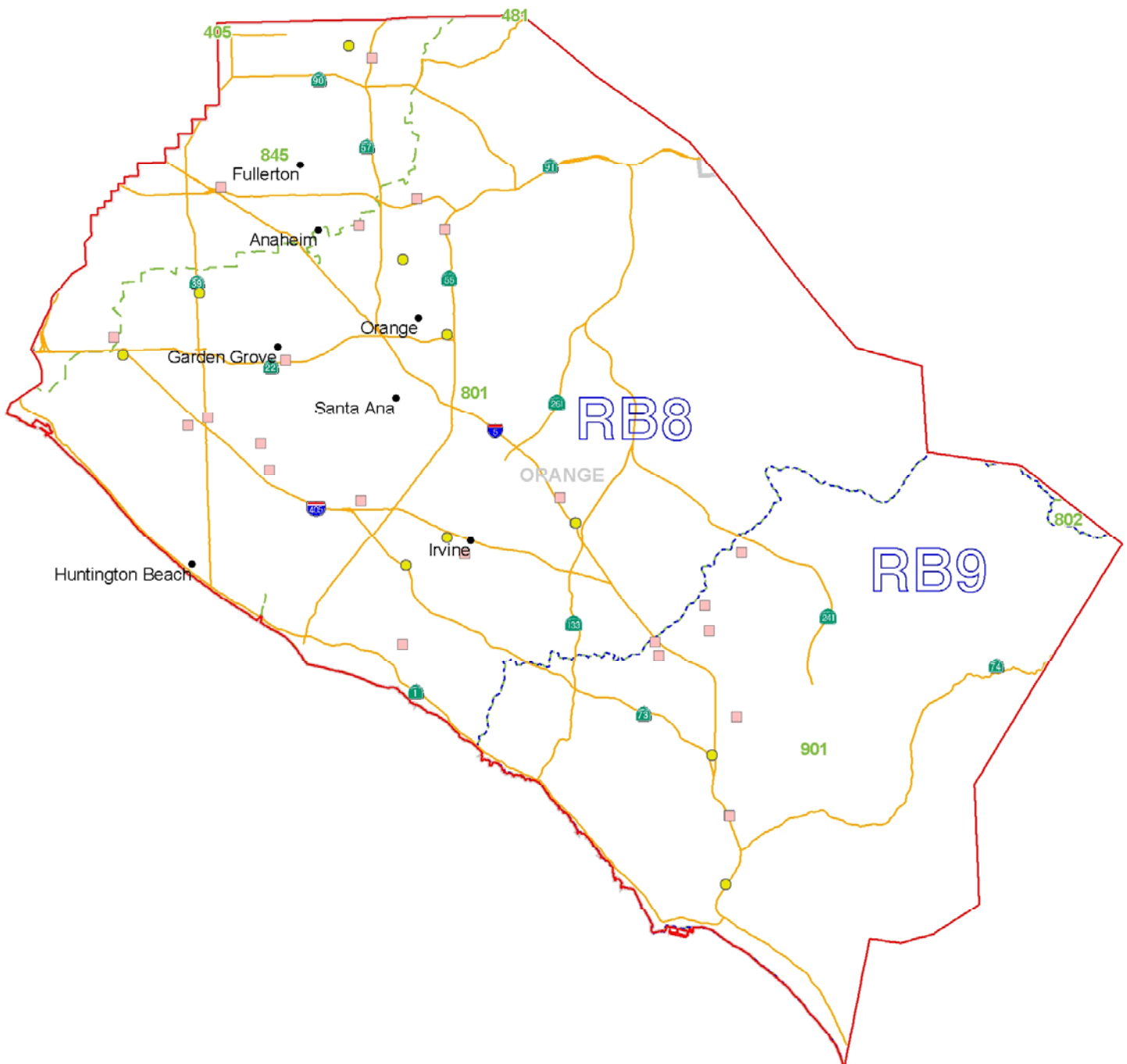
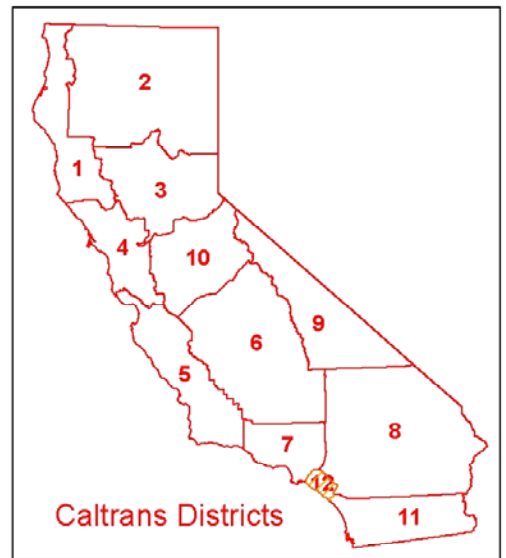
Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on the Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

Legend

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- ▣ Vista
- Department Facility
- ▭ Department Boundary
- ▭ RWQCB Boundary
- ▭ Hydrologic Unit
- ▭ County Boundary

RWQCB Index

- RB8 Santa Ana Region
- RB9 San Diego Region



4.0 HIGH RISK AREAS

A list of high-risk areas within District 12 is presented in Table 4-1. High risk areas are defined in Section E.2 of the Permit to include areas such as locations where spills from the Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, District 12 first contacted known public and private water supply providers. From the information received, District 12 determined which facilities were susceptible to a direct spill from the Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
SR-91, PM008.57/ 018.91	Orange	Santa Ana River Recharge Basins/ Orange County Water District	<p>The Orange County Water District is responsible for managing the underground water reserves that supply about 500 wells within district boundaries. At the present time about 270,000 acre-feet of this water is pumped for use each year. Groundwater reserves are maintained by a recharge system, which replaces water that is pumped from wells. OCWD's facilities have a recharge capacity of approximately 300,000 acre-feet per year. About two million people depend on this source for more than three-quarters of their water.</p> <p>Along a six-mile section of the Santa Ana River that belongs to OCWD, a system of diversion structures and recharge basins captures most of the water that would otherwise flow into the Pacific Ocean. The district has 1,500 acres of land for use in its recharge program.</p> <p>SR-91 runs parallel to The Santa Ana River, upstream from the OCWD Recharge Basins and discharges directly into the Santa Ana River.</p>	

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided in April 2004.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 2 hectares (5 acres) of land disturbance (Disturbed Soil Area), designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and Caltrans) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are with a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/ WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
A	0G950	ORA	55	8.1	CONSTRUCT AN AUX LANE IN NB DIRECTION FROM DYER ROAD ON-RAMP TO EDINGER AVE. OFF-RAMP	Lane Channel	DSA	Jan-06	Sep-09	Jul-10	May-11
A	0G960	ORA	55	7.8	CONSTRUCT AN AUX LANE IN SB DIRECTION FROM DYER ROAD OFF-RAMP TO EDINGER AVE. ON-RAMP	Lane Channel	DSA	Jan-06	Sep-09	Jul-10	May-11
A	0H034K	ORA	73	25.7	"NB/SB SLAB REPLACEMENT, ON/OFF RAMPS" "RESURFACING, SHOULDER REHAB AND" GRINDING	Santa Ana Delhi Channel	DSA	Sep-05	Apr-08	Nov-08	May-09
A	0G410K	ORA	91	15	WIDEN EB ROUTE 91 TO CONSTRUCT BARRIER COLLECTOR DISTRIBUTOR ROAD	Santa Ana River	DSA, HR	Oct-07	Aug-14	Jul-15	Jul-16
A	0G5200	ORA	133	8.2	MODIFY EXISTING RAMP	San Diego Creek	DSA, 303d	May-05	Dec-05	Jul-06	Oct-06
A	0H0050	ORA	405	10.9	WIDEN THE E/B JAMBOREE ROAD ON-RAMP TO N/B ROUTE 405	Santa Ana River	DSA	Feb-05	Sep-05	Apr-06	Oct-06
A	0G5600	ORA	405	22.5	SHOULDER WIDENING MODIFY DRAINAGE REFRESH PAVEMENT DELINEATION	Bolsa Chica Channel	DSA	Feb-05	Jul-05	Feb-06	Jun-06
A	0G5000	ORA	405	11.2	CONSTRUCT A TIEBACK WALL AND MODIFY 2 RAMPS	Santa Ana River	DSA	Jan-05	Jul-05	Jan-06	Aug-06
A	0F5500	ORA	405	6.4	"HIGHWAY PLANTING, IRRIGATION SYSTEM" AND 3 YEAR PE	San Diego Creek	DSA	Aug-05	Mar-06	Aug-06	Sep-10
A	0E0800	ORA	405	11.2	TO CONSTRUCT A NEW RAMP @ SUSAN ST	Santa Ana River	DSA	Sep-05	Sep-06	May-07	Dec-07
A	0A710K	ORA	405	7.8	CONSTRUCT A NEW STRUCTURE CARRYING LIGHT-RAIL-TRANSIT VEHICLES O/CI405 & NEW ALIGNMENT AT ST. LVL U/C SR-55	San Diego Creek	DSA	Dec-04	Dec-06	Oct-07	Sep-08
A	09490K	ORA	405	17.2	CONNECT ROADWAYS MODIFY STRUCTURE	San Diego Creek, Santa Ana River, Bolsa Chica Channel, Santa Ana Delhi Channel	DSA	Jul-06	Oct-07	Jul-08	Jul-09

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SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
B	0H0270	ORA	5	23.9	WIDEN SAND CANYON AVENUE THROUGH "THE INTERCHANGE, WIDEN RAMPS" RELOCATE MARINE WAY INTERSECTION	San Diego Creek	DSA	Sep-05	Apr-07	Nov-08	Aug-09
B	0H0160	ORA	5	20.5	ADD A FIFTH LANE ON SB OFF-RAMP WIDEN CULVER DRIVE EB BY ADDING A FOURTH LANE PRECEDING TRABUCO ROAD	Peters Canyon Wash	DSA	Jan-05	Jun-06	Jan-07	Jul-07
B	0H000K	ORA	5	27.6	WIDEN EB JAMBOREE ROAD TO I-5 NB ON-RAMP	Peters Canyon Wash	DSA	Jul-06	Jul-07	Jan-08	Oct-08
B	0C6001	ORA	5	42.1	WIDEN AND RECONSTRUCT FREEWAY	Fullerton Creek	DSA	Dec-99	Mar-05	Dec-05	May-08
B	08200K	ORA	22	11	MODIFY RAMPS	Santiago Creek	DSA	Dec-05	Dec-06	Jul-07	Jul-08
B	068201	ORA	22	0.7	WIDEN OC	Bolsa Chica Channel	DSA	Dec-05	Feb-07	Sep-07	Dec-08
B	0F9700	ORA	39	14.4	REMOVE & REPLACE THE EXISTING CURB "& GUTTERS, SIDEWALK AND CURB RAMPS" AT VARIOUS LOCATIONS ON SR-39	Fullerton Creek	DSA	Sep-05	Jan-07	Aug-07	Aug-08
B	0H014	ORA	55	11.4	CONSTRUCT RETAINING WALL TO PROVIDE ACCESS FOR DRAINAGE SYSTEM & INSTALL STAIRWAY CASE FOR LANDSCAPE ACCESS	North Tustin Channel	DSA	Feb-05	Feb-05	Aug-05	Nov-05
B	0H0180	ORA	57	20	CONSTRUCT OF FREEWAY DECELERATION LANE	Santa Ana River, Loftus Channel	DSA	Jul-05	Apr-06	Nov-06	May-07
B	0G7100	ORA	57	10.8	"PROVIDE ENHANCED SLOPE PAVING, GORE" "PAVING, ROCK BLANKET AND ACCENT" PLANTING	Santa Ana River, Loftus Channel	DSA	Aug-05	Aug-07	Mar-08	Jun-09
B	0E320K	ORA	57	21.1	REGRADE SLOPE	Loftus Channel	DSA	Dec-05	Dec-06	Jul-07	Sep-08
B	0C7400	ORA	57	20.9	WIDENING LAMBERT NB ON-RAMP	Loftus Channel	DSA	Jul-06	Jul-07	Feb-08	Mar-09

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SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
B	0G0130	ORA	73	21.1	NB WIDENING FROM CATALINA VIEW TO MACARTHUR	San Diego Creek	DSA	Jan-06	Jul-06	Jan-07	Apr-08
B	0F0100	ORA	73	20	TO PROVIDE AC PAVING OF EXISTING UN PAVED DITCHES IN THE CENTER MEDIANS TO IMPROVE DRAINAGE & REDUCED SEDI.	San Diego Creek	DSA, 303d	Jan-05	Jun-05	Jan-06	Jun-06
B	0H0061	ORA	91	9	GORE AREA PAVING AND EROSION CONTROL PLANTING	Santa Ana River	DSA, HR	Jan-05	Feb-05	Jul-05	Dec-05
B	0G330K	ORA	91	9.2	ADD A FIFTH LANE IN EACH DIR EXT 6T ADD A FIFTH LANE IN EACH DIR EXT 6T EXTEND THE 6TH LANE FM LAKEVIEW	Santa Ana River	DSA	Apr-04	Jan-08	Nov-08	Sep-11
B	0G040K	ORA	91	17.2	PROVIDE EB AUXILIARY LANES	Santa Ana River	DSA, HR	Nov-05	Dec-06	May-07	Jul-09
B	0E860K	ORA	91	15.6	INSTALL ROADSIDE REST AREA	Santa Ana River	DSA, HR	Dec-00	Feb-06	Sep-06	May-07
B	0C9701	ORA	91	3.5	REPAIR BRIDGE WINGWALL & RETAINING WALL DUE TO SETTLEMENT & ROTATION	Coyote Creek	DSA	Apr-03	Nov-07	May-08	Nov-08
B	0C570K	ORA	91	1.2	CONVERT WB AUXILIARY LANES AT VARIOUS LOCATIONS INTO A THROUGH LANE & MODIFY RAMPS	Coyote Creek	DSA	Dec-07	Dec-08	Oct-09	Apr-11
B	0G0090	ORA	133	10	TRABUCO ROAD INTERCHANGE ADD NEW IC ON EASTERN TRANS. COORD EAST LEG	San Diego Creek	DSA	Dec-04	Jun-06	Feb-07	Aug-08
B	0G3700	ORA	241	14.5	REPLACE MBGR'S STEEL BLOCKS WITH "WOOD, UPGRADE AND TREATMENTS AND" BARRIER	Santa Ana River, Gypsum Canyon Creek, Santiago Creek	DSA	Dec-04	Feb-05	Jul-05	Feb-06
B	0C820K	ORA	241	31	EAST ORANGE IC IMPROVEMENTS NEW (RE "LOCATED) SR 241 SB ON-RAMP, WIDENING" CHAPMAN AVE & GRADING FOR FUTURE	Gypsum Canyon Creek	DSA	Mar-05	Aug-06	Feb-07	Jun-09
B	0G8700	ORA	405	3.9	CONSTRUCT SOUNDWALL	San Diego Creek	DSA	Apr-05	Sep-06	Apr-07	Nov-07

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
B	0G3800	ORA	405	16.1	WIDEN RAMP AND CONSTRUCT RETAINING WALL	Anaheim Barber City Channel	DSA	Oct-04	May-05	Nov- 05	May-06
B	0F9300	ORA	405	10.8	WIDENING FAIRVIEW ROAD OVERCROSSING AND RAMP	Santa Ana River	DSA	Jun-05	Oct-05	Feb- 06	Jan-07
B	0F2400	ORA	405	0.9	REMOVE EXISTING OUTSIDE SHOULDER CONSTRUCT AUXILIARY LANE AND STANDARD SHOULDER	San Diego Creek	DSA	Mar-06	May-07	Dec- 07	Jun-08
B	0E790K	ORA	405	13.4	WIDEN OC	Santa Ana River	DSA	Dec-05	Aug-08	Apr- 09	Sep-10
B	0E0601	ORA	405	16.9	DOWEL RETROFIT TRUCK LANES BOTH DIR	Santa Ana River, Bolsa Chica Channel	DSA	Jan-01	Apr-06	Feb- 07	Sep-08
B	0C790K	ORA	405	12.7	CONSTRUCT AUXILIARY LANE	Santa Ana River	DSA	Oct-06	May-08	Dec- 08	Jan-10
B	0C780K	ORA	405	12.8	CONSTRUCT AUXILIARY LANES	Santa Ana river	DSA	May-06	Mar-08	Jan- 09	Mar-10
B	0C770K	ORA	405	13.9	CONSTRUCT AUXILIARY LANE		DSA	Apr-06	May-08	Jan- 09	Mar-10
B	0C760K	ORA	405	14.8	CONSTRUCT AUXILIARY LANE	Bolsa Chica Channel	DSA	May-06	May-08	Jan- 09	Mar-10
B	0C540K	ORA	405	0.8	"UPGRADE MBGR'S, DIFFERENT LOCATIONS" UPGRADE BLUNT ENDS TO COMPLY WITH NCHRP 350 STANDARDS	San Diego Creek, Santa Ana River, Bolsa Chica Channel, Santa Ana Delhi Channel	DSA	Jun-04	Jun-07	Jan- 08	Jan-09
B	005431	ORA	405	9.6	CONST HOV DROP RAMP 00540K SPL: 005410/20/30	San Diego Creek	DSA	Sep-94	Jul-07	May- 08	Sep-10
B	005421	ORA	405	6.8	CONST HOV DROP RAMPS 00540K SPL:005410/20/30	San Diego Creek	DSA	Sep-94	Nov-07	Nov- 08	Mar-11
C	0G990K	ORA	5	27.6	ADD AUXILIARY LANE ON I-5 SB AND WIDEN SB OFF-RAMP	Peters Canyon Wash	DSA	Jul-05	Jul-06	Jan- 07	Jul-07
C	0F950K	ORA	5	23.8	RECONSTRUCT PAVEMENT STRUCTURAL SECTION AND APPROACH SLAB	San Diego Creek	DSA	Aug-04	Aug-05	Feb- 06	Oct-06

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SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
C	0F140K	ORA	5	28.4	WIDEN THE TWO-LANE ON-RAMP TO A "THREE-LANE ON-RAMP, WITH ONE HOV" BYPASS LANE.	El Modena Irvine Channel	DSA	Jul-04	Apr-05	Nov-05	Jun-06
C	0C6400	ORA	5	26.6	PROVIDE TWO EXIT LANES AT THE OFF-RAMP	Peters Canyon Wash	DSA	Dec-04	Dec-05	Jun-06	Dec-06
C	087900	ORA	22	7.8	MODIFY INTERCHANGE	Garden Grove Wintersburg Channel	DSA	Jan-05	Aug-06	Jul-07	Oct-08
C	071621	ORA	22	0.7	WIDEN INTERCHANGE & CONSTRUCT CONNECTOR RTE 22 PM .66/.92 & RTE 405 PM 20.56/22.64	Bolsa Chica Channel	DSA	Mar-03	Jun-06	Apr-07	Mar-09
C	0E710K	ORA	55	13	CONSTRUCT SURVEY FIELD OFFICE EXPAND MAINTENANCE WAREHOUSE CONST MAINTENANCE FOR ONE CREW & MISC BUILDING	Santiago Creek	DSA	Apr-03	Nov-09	Jul-10	Jul-11
C	0C030K	ORA	55	6.4	ADD HOV LANES & AUXILIARY LANES	Lane Channel	DSA	Jun-03	Jul-05	Jun-06	Jun-08
C	098400	ORA	55	1.5	ADD LANES NB&SB	Santa Ana Delhi Channel	DSA	Nov-04	Mar-05	Aug-05	Aug-06
C	05500	ORA	55	7.5	CONST OC & HOV ACCESS RAMPS	Lane Channel	DSA	Nov-04	Dec-06	Oct-07	Oct-09
C	0G030K	ORA	57	11	UPGRADE MBGR TO CONC. BARRIER ALONG "SR 57 & CONNECTOR TO 22, ALSO UPGRADE MISC. MBGR AND CURE BLUNT ENDS	Santa Ana River, Loftus Channel	DSA	Oct-04	Nov-05	Jun-06	Jan-07
C	0F0401	ORA	57	19.3	ADD NORTHBOUND AUXILIARY LANE	Santa Ana River, Loftus Channel	DSA	Jun-03	Nov-05	Jul-06	Oct-06
C	0F0300	ORA	57	14.8	ADD NORTHBOUND AUXILIARY LANE	Santa Ana River	DSA	Mar-03	Apr-06	Jan-07	Jul-07
C	0C120K	ORA	57	21.2	RECONSTRUCT CLIMBING AUXILIARY LANE & REALIGN NB OFF RAMP AT TONNER CANYON RD & NB ON RAMP AT LAMBERT ROAD	Loftus Channel, Tonner Canyon Creek	DSA	Jul-04	Jun-06	Apr-07	Jul-09

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SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
C	056221	ORA	90	11.8	CONSTRUCT GRADE SEPARATION	Santa Ana River	DSA, HR	Jun-03	Sep-07	Mar-09	Dec-12
C	056211	ORA	90	11.8	CONSTRUCT GRADE SEPARATION	Santa Ana River	DSA, HR	Jun-03	Nov-05	Dec-06	Jan-09
C	0G920K	ORA	91	11.5	SHOULDER WIDENING MODIFY DRAINAGE REFRESH PAVEMENT DELINEATION	Santa Ana River	DSA, HR	Oct-04	Sep-05	May-06	Dec-06
C	0G760K	ORA	91	16.9	IMPROVE SUPER ELEVATION TRANSITION DRAINAGE IN THE WB DIRECTION	Santa Ana River	HR, DSA	Oct-04	Sep-05	Jun-06	Dec-06
C	0G050K	ORA	91	12.8	"ADD FREEWAY IMPROVE SHOULDER," INCREASE ILLUMINATION AND MODIFY SIGNING BETWEEN IMPERIAL HWY/WEIR CYN	Santa Ana River	DSA	Dec-04	Aug-05	Jan-06	Dec-06
C	0E890K	ORA	91	0	HIGHWAY PLANTING RESTORATION	Coyote Creek, Carbon Canyon Creek	DSA	Apr-01	Dec-05	Aug-06	Jan-07
C	0C560K	ORA	91	8.1	PROVIDE A THROUGH LANE FROM NB SR-55 TO WB SR-91	Santa Ana River	DSA	Dec-04	Aug-05	Dec-05	Dec-06
C	0G8500	ORA	241	38.4	"PREPARE PSR/PR, PS&E & CONSTRUCTION" OF MOUNTAIN PARK OVER CROSSING ON SR-241	Gypsum Canyon Creek	DSA	Nov-04	Jul-05	Jan-06	Dec-07
C	0G0100	ORA	241	37.2	WEIR CANYON ROAD IC ADD TWO RAMPS ON THE SOUTH	Gypsum Canyon Creek	DSA	Nov-04	Jul-05	Jan-06	Dec-07
C	109111	ORA	405	4.7	WIDEN OC	San Diego Creek	DSA	Apr-93	Aug-05	Jan-06	Sep-06
C	0A7621	ORA	405	15.4	ADD AUX LANE	Anaheim Barber City Channel	DSA	Jun-03	Oct-06	Jul-07	Feb-09
C	0A7611	ORA	405	15.9	ADD AN OFFRAMP CHANNELIZATION LANE	Anaheim Barber City Channel	DSA	Jun-03	Jan-05	Aug-05	Apr-06
C	098201	ORA	405	22.3	"WIDENING RAMPS, RAMP INTERSECTIONS," AND BRIDGE APPROACHES	Bolsa Chica Channel	DSA	Apr-03	Mar-05	Aug-05	Aug-06

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
C	092600	ORA	405	0.3	EXTEND TRUCK ACCELERATION LANE	San Diego Creek	DSA	Oct-04	Apr-05	Nov-05	May-06
D	0G530K	ORA	1	12.2	REMOVAL AND DISPOSAL OF ABANDONED PIPES/RESTORING SLOPE	Pacific Ocean, Los Trancos Creek	DSA, 303d	Jul-05	Apr-06	Nov-06	Jun-07
D	0C3700	ORA	1	31.1	PCH WIDENING/ADDITION OF CLASS 1 BIKE PATH	Anaheim Bay	DSA, 303d	Sep-05	Oct-05	Jan-06	Jan-07
D	090300	ORA	1	27	CONST OCEAN INLET BRIDGE	Pacific Ocean	DSA	Nov-01	Sep-04	Dec-04	Aug-06
D	079701	ORA	1	30.4	CONST RET WALL & SIDEWALK ON HOLD * REQ ENV STUDY	Huntington Harbor	DSA, 303d	Nov-03	May-04	Nov-05	Dec-05
D	078001	ORA	1	31.8	ROCK SLOPE PROTECTION @ ANAHEIM BAY BRIDGE ABUTMENTS AND APPROACHES	Anaheim Bay	DSA, 303d	Oct-97	Oct-03	Feb-06	Dec-06
D	03630K	ORA	1	25.9	DRAINAGE IMPROVEMENTS	Pacific Ocean	DSA	Sep-02	Nov-04	Sep-05	Sep-07
D	101671	ORA	5	42.1	RECONSTRUCT AND WIDEN FREEWAY	Fullerton Creek, Coyote Creek	DSA	Dec-99	Apr-04	Nov-04	Jun-09
D	0C510K	ORA	5	34.1	CONSTRUCT OC	Santa Ana River	DSA, 303d	Jul-02	Mar-04	Jan-05	Oct-06
D	0A7300	ORA	5	22.2	PLANTING REHABILITATION	San Diego Creek	DSA	Jun-02	Apr-04	Dec-04	Nov-08
D	1072U1	ORA	133	4.2	WIDEN AND REALIGN HIGHWAY	San Diego Creek	DSA, 401	Jun-01	May-02	Dec-02	Jun-06
D	0126E1	ORA	5	41.5	PLANTING AND IRRIGATION	Fullerton Creek	DSA	Feb-93	Nov-99	Sep-02	Dec-06
D	071611	ORA	22	0.9	CONSTRUCT HOV LANES	Bolsa Chica Channel, Garden Grove Wintersburg Channel, Anaheim Barber City Channel, Santa Ana River, Santiago Creek	DSA, 303d, 401	Mar-03	Nov-04	Aug-05	Jul-08
D	0F260K	ORA	55	11.6	CREATE A 2% PAVEMENT CROSS SLOPE & UPGRADE THE DRAINAGE SYSTEM	North Tustin Channel	DSA	Jan-04	Jan-05	Sep-05	May-06

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
D	0E910K	ORA	55	2	HIGHWAY PLANTING RESTORATION	Santa Ana Delhi Channel	DSA	Mar-01	Feb-05	Sep-05	Mar-06
D	0E880K	ORA	55	6.3	HIGHWAY PLANTING RESTORATION	Santa Ana Delhi Channel	DSA	Feb-01	Feb-05	Sep-05	Mar-06
D	0E250K	ORA	55	7	CONSTRUCT SB AUXILIARY LANE BETWEEN DYER ROAD AND MAC ARTHUR BLVD	Lane Channel	DSA	Dec-03	Nov-04	Jun-05	Oct-05
D	14300	ORA	55	9	RECONSTRUCT NB RAMPS	Lane Channel	DSA	May-98	Oct-01	Apr-06	Jun-07
D	0E870K	ORA	57	16.6	HIGHWAY RESTORATION	Santa Ana River	DSA	Mar-01	Feb-05	Sep-05	Mar-06
D	084401	ORA	57	12.9	HWY PLANTING RESTORATION	Santa Ana River	DSA	Mar-03	Feb-05	Jul-05	Oct-05
D	0G070K	ORA	73	22.4	DRAINAGE IMPROVEMENT OGAC RESURFACING ON SR 73 FROM BONITA CANYON DR. TO JAMBOREE ROAD	San Diego Creek	DSA, 303d	Dec-04	Feb-05	Jul-05	Feb-06
D	0A9400	ORA	73	9.6	ADDITION OF UP TO TWO LANES IN EACH DIRECTION DIRECT CONNECTOR AND DROP RAMP	San Diego Creek	DSA, 303d	Jul-04	Feb-05	Dec-05	Dec-12
D	0164P1	ORA	90	5.5	WIDEN TO 6 LANES	Loftus Channel	DSA	Nov-94	Oct-04	Sep-05	Sep-06
D	0164N1	ORA	90	2.5	WIDEN TO 6 LANES	Coyote Creek, Brea Creek	DSA	Nov-94	Oct-04	Dec-05	Dec-06
D	0164M1	ORA	90	0.5	WIDEN TO 6 LANES	Brea Creek	DSA	Nov-94	Oct-04	Sep-05	Sep-06
D	0164A1	ORA	90	11.8	WIDEN TO 8 LANES SPL FR 016471	Santa Ana River	DSA, HR	Nov-94	Jun-04	May-05	Jul-07
D	076001	ORA	91	8.5	PLANTING AND IRRIGATION	Santa Ana River	DSA	Apr-01	Jan-02	Jul-02	Jun-06
D	075401	ORA	91	6.4	HIGHWAY PLANTING RESTORATION	Santa Ana River	DSA	Aug-01	Jan-02	Jul-02	Aug-07
D	075301	ORA	91	13.5	HIGHWAY PLANTING AND IRRIGATION	Santa Ana River	DSA, HR	Apr-01	Jan-02	Jul-02	Jul-06

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
D	0A9310	ORA	133	10.1	EAST LEG WIDENING ADD ONE LANE IN EACH DIRECTION FROM MARINE WAY TO PORTOLA PARKWAY	San Diego Creek	DSA	Dec-04	Dec-04	May-05	May-06
D	0A9101	ORA	241	19	ADDITION OF UP TO TWO LANES IN EACH DIRECTION SAFETY IMPROVEMENT AND LANDSCAPING	Santiago Creek	DSA	May-02	Jun-02	Jun-02	Sep-05
D	0A9000	ORA	241	24.7	ADDITION OF UP TO TWO LANES IN EACH DIRECTION DIRECT CONNECTOR SAFETY AND LANDSCAPING	Gypsum Canyon Creek, Santa Ana River	DSA	Jul-00	Mar-02	Jan-03	May-06
D	0A8900	ORA	241	24.7	ADDITION OF TWO LANES IN EACH DIRECTION DIRECT CONNECTOR SAFETY LANDSCAPING	Gypsum Canyon Creek, Santa Ana River	DSA	Jul-03	Aug-03	May-04	Dec-08
D	0A750K	ORA	405	19.6	PLANTING REHABILITATION	Bolsa Chica Channel	DSA	Jun-00	Feb-02	Jul-06	Jul-07
D	093210	ORA	405	3.9	ADD AUXILIARY LANE	San Diego Creek	DSA	Oct-02	Oct-04	Jul-05	Jul-06
D	083801	ORA	405	10.2	WIDEN FREEWAY	Santa Ana River	DSA	Oct-96	Feb-00	Jan-01	Aug-05
D	075701	ORA	405	3.7	HWY PLNTG AND RESTORATION	San Diego Creek	DSA	May-03	Mar-05	Nov-05	Nov-09
D	069511	ORA	405	7.6	"CONSTRUCT ROADWAY, BRIDGES AND WALL" FCO	San Diego Creek	DSA	Sep-94	Mar-99	Jun-99	Jun-06

TABLE 5-1 LEGEND

*** Criteria**

DSA	=	Disturbed Soil Area is greater than 5 acres.
303d	=	303 (d) listed water body within project limits and affected by project
401	=	401 Certification/Waiver required
SEP	=	Supplemental Environmental Project
Retro	=	Storm Water Retrofit Project (SWMP 4.4.2)
HR	=	Project limits within High Risk Area
RB	=	RWQCB designated project as a potential threat to water quality

**** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,**

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

Note: All projects that do not require a SWPPP will require a WPCP.

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
NONE							
Maintenance Facility and Activity Inspections							
District 12 Maintenance facilities are inspected weekly by the Maintenance facility supervisor. Per the requirements of the SWMP, the District 12 Maintenance Storm Water Coordinator will review at least 20% of District 12's facilities each year (Section 5.6).							
Maintenance Facility BMP Improvements							
The reconstruction of the Bolsa Chica Maintenance Yard will include a new wash rack and a biofiltration swale to treat surface runoff.							
Maintenance BMP Actions/Modifications							
NONE							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application 							
<p>Vegetated Slope Evaluation- The Department created a Preliminary Slope Inspection Form, further discussed in Annual Report Section 5.2.3, that will be used to inspect all roadside vegetated slopes over the course of 5 years. The Vegetated Slope Evaluation has been established by assigning a supervisor and a crew to conduct the initial slope inspections.</p>							

TABLE 5-2 LEGEND

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
 - DSA = Disturbed Soil Area is greater than 5 acres.
 - 303d = 303 (d) listed water body within project limits and affected by project
 - 401 = 401 Certification/Waiver required
 - SEP = Supplemental Environmental Project
 - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
 - HR = Project limits within High Risk Area
 - RB = RWQCB designated project as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the FY 05/06.
On going BMP research and monitoring is being conducted at various sites along SR-73.
Site Specific Monitoring and Reporting for the Crystal Cove Cease and Desist Order No 00-87 will be conducted in accordance with the California Coast Commission Coastal Development Permit (Permit App. No. A-5-NPC-03-141). District 12 has submitted a Sampling and Analysis Plan, which identifies the selected sites for water quality monitoring. In accordance with the Coastal Development Permit, monitoring at the selected sites will continue for 3 years for the selected constituents. If any constituent found to be non-detect per first year monitoring will be eliminated for further monitoring.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.
The District Construction Storm Water Coordinator prior to start of construction will review SWPPPs for Caltrans Construction projects.
Notification of Construction (NOC) forms will be completed and submitted to the RWQCB 30 days prior to the start of construction for projects that disturb more than 1 Acre (0.4 Hectares) or require a SWPPP.
Notice of Completion of Construction (NCC) forms will be submitted when a construction project is complete. NCC forms will be submitted when the soil stabilization of the project meets the requirements of the General Construction Permit.
Training and Public Outreach
District 12 will be involved in the Annual Children's Water Education Festival hosted by the Orange County Water District and Disneyland. Members of the District 12 Storm Water Program address the various issues in storm water pollution prevention to over 5,000 elementary school children.
District 12 will be training Planning and Design staff on the updates to the Project Planning and Design Guide (PPDG, September 2002). The PPDG is a guidance manual that will assist Caltrans staff on the decision and selection of BMPs for all projects in the planning and design phase.
Maintenance staff guidance materials provide direction, guidance, policies, and procedures for all maintenance activities. The guidance materials used regularly in tailgate training of Maintenance staff as they begin an activity. First Responder Awareness training is consistently provided for all maintenance and shop personnel. This training emphasizes the 3-D approach- divert, dike, and dam- so that spills seldom approach highway drainage courses. Emergency response contractors are on call for cleanup around the clock according to the districts hazardous material spill contingency plan. Maintenance staff will also be provided the Maintenance Storm Water Training.
Training courses in the following areas are anticipated by Construction Storm Water - Inspector training: One session, RE Training: One session, SAP training: One session, Dewatering Training: One session, Field Training: Two sessions, Advanced BMPs: Two sessions, RE Refresher Course: One Session, Inspector Refresher Course: One Session New Caltrans Permit, New Construction Permit, New SWMP, Various In-State Conferences and Training by IECA , and any additional training required by renewed permit.

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Municipal Coordination
The County of Orange, the Orange County Flood Control District, and 25 of the 33 Orange County cities are co-permittees on a municipal NPDES Permit with the RWQCB. Newly incorporated cities will be added as Orange County co-permittees. The County of Orange and its co-permittees host Technical Advisory Committee (TAC) meetings as well as co-permittee meetings. The District 12 Storm Water Coordinator will attend Orange County TAC meetings and maintain a continuous exchange of information.
District 12 personnel will attend Areas of Special Biological Significance (ASBS) workshops as needed for coordination on requirements.
District 12 personnel will attend Total Maximum Daily Load (TMDL) workshops as they are announced for TMDLs where the Department has been identified as a potential Stakeholder.
District 12 personnel will coordinate with various Stakeholders (including County of Orange and affected Cities) and Regional Board on issues pertaining to the San Diego Creek/Upper Newport Bay Selenium Watershed Plan development.